Chandler • Arizona
Where Values Make The Difference

Civil Engineering
Streetlight Plan Review Checklist

Log No: _____

C.I.P. No: _____

Project:	
Location:	

Item Number Proofing Marks	
/	Requirement satisfied.
O	Requirement not satisfied.
?	Unable to determine status, more information is required.
X	Not applicable.

Review #	Reviewed By	Date
1		
2		
3		
4		
5		

The requirements referred to on the checklist can be found within Chapter 48 (Subdivisions) of the City Code and in the City's Technical Design Manuals.

Item	Requirement	Comments
1.	The following current City standard notes must be shown or corrected on the cover or detail sheet: A. General Notes. B. Streetlight Notes (APS). C. Streetlight Notes (SRP).	
2.	Provide a quantity tabulation of the number of streetlight poles on the cover sheet. Quantities must be tabulated separately by phase. Private streetlights must be tabulated separately from public streetlights.	

3. The following block must be shown on cover sheet:

Utility Job Details

SRP/APS Job Order Number: _____
DDC/Designers: _____
Job Name: _____
Job Address: _____

Type (Hype, LED, other): _____
New or Existing Cabinet: _____
Existing Cabinet Number: _____
Consumption (system watts): _____

4. Provide note on plans:

The design herein is in conformance with Appendix A/B of the Streetlight Standards.

If the design is not in conformance with Appendix A/B, provide point-to-point lighting calculations indicating foot-candle levels maintained at 10' intervals between luminaires and across the width of the roadway.

5. Include the following certification on plan cover sheet:

I hereby certify that setbacks for streetlights on all streets shall be a minimum of 2.5 feet back of curb and 1 foot from sidewalks.

_____

REGISTERED PROFESSIONAL ENGINEER **DATE**

6. Provide a legend on the plans identifying the following items:

A. Luminaire Description. (LED)
   1) Refer to Section 2 of COC Streetlight Design, TDM #6 for luminaire requirements. Specify wattage, initial lumens, manufacturer, etc.
   2) Provide manufacturer's cut sheet for S/L on plans.
   3) A light level or point-by-point calculations required showing illumination requirements are met. See COC Streetlight Design, TDM #6 Appendix A .

B. Luminaire Description. (HPS) (Infill Projects only as determined by City.)
   1) Local street – 100 watt, 9,500 lumen, 30' mounting height.

Item	Requirement	Comments
	2) Collector street – 150 watt, 16,000 lumen, 35' mounting height. 3) Arterial street – 250 watt, 30,000 lumen, 35' mounting height. C. Luminaire mounting height. D. City Standard Detail number for type of pole (SL-1 for most installations, SL-10 for City Center area, SL-16 for decorative pole on local or collector streets, or SL-17 where necessary along arterial streets for clearance from overhead power lines). E. Streetlights need to be located a minimum of 2.5 feet back of curb or 1 foot back of sidewalk.	
7.	The following information is required for each existing street within and adjacent to your development. A. Name. B. Right-of-way width. C. Improved width of street, typically street centerline to back-of-curb dimensions.	
8.	The following information is required for each proposed street within and adjacent to your development. A. Name. B. Right-of-way width. C. Improved width of street, typically street centerline to back-of-curb dimensions.	
9.	All existing and proposed waterlines and fire hydrants must be shown.	
10.	Provide dimensional ties to waterlines and fire hydrants where potential conflicts may occur.	
11.	Provide locations of existing streetlights within 300' from the first proposed streetlight including details of luminaire type, output, wattages, mounting heights and pole types.	
12.	Streetlights on lot frontages in residential areas must be located at property lines. Lights on non-frontage conditions may be located by station only. Provide station and offset dimension from centerline of street for all streetlights.	
13.	Streetlights must be located at all intersections per the City's *Technical Design Manual 6 - Streetlight Design*.	

Item	Requirement	Comments
14.	Arterial/arterial intersections must have four (4) lights.	
15.	Private streetlights must be labeled as such and must meet public street illumination standards. Refer to the City's *Technical Design Manual 6 – Streetlight Design* for additional information.	
16.	Complete and submit (with the mylars for final approval) the Certificate of Quantities sealed, including signature and date, by the registered engineer. Submit a separate Certificate of Quantities for each construction phase. Private streetlights must be tabulated separately from public streetlights.	
17.	Coordinate streetlight plan with the engineer preparing other offsite improvement plans.	
18.	Lights in elbows and cul-de-sacs (anywhere other than standard street locations) require radial ties.	
19.	Survey data is required for street centerlines (bearing and distances).	
20.	Provide stations at all intersections and changes of alignment.	

Prior checklists and plans are required for subsequent submittals.

City Use Only
1. Traffic Engineer review?